

Study Number: C11049-01

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

PA03: Non-Neoplastic Lesion Summary with Percent Incidence

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

C11049-01

Male

See web page for date of PWG Approval

Date Report Requested: 10/22/2020

Time Report Requested: 09:08:35

Lab: Battelle with CRL

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Date Report Requested: 10/22/2020

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Lab: Battelle with CRL

Male: 1 Day Exposure

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Disposition Summary			
Animals Initially In Study	8	8	8
Early Deaths			
Survivors			
Scheduled sacrifice, terminal (SD 1)	8	8	8
Animals Examined Microscopically	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
HEMATOPOIETIC CELL PROLIFERATION		1 (13%)	
PHARYNX	(8)	(8)	(8)
HYPERPLASIA; SQUAMOUS		1 (13%)	
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
ENDOCRINE SYSTEM			
No Tissues/Organs Examined			
GENERAL BODY SYSTEM			
No Tissues/Organs Examined			
GENITAL SYSTEM			
No Tissues/Organs Examined			
HEMATOLYMPHOID SYSTEM			
No Tissues/Organs Examined			
INTEGUMENTARY SYSTEM			
No Tissues/Organs Examined			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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Lab: Battelle with CRL

Male: 1 Day Exposure

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
NERVE, TIBIAL	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(7)	(8)	(8)
EPIGLOTTIS; INFLAMMATION		1 (13%)	
INFLAMMATION; CHRONIC-ACTIVE	1 (14%)		
EPIGLOTTIS; METAPLASIA; SQUAMOUS		1 (13%)	
LUNG	(8)	(8)	(8)
ERYTHROPHAGOCYTOSIS		1 (13%)	
HEMORRHAGE; ACUTE	1 (13%)	1 (13%)	
INFILTRATION, CELLULAR; MIXED		1 (13%)	
NOSE	(8)	(8)	(8)
TRACHEA	(8)	(8)	(8)
EPITHELIUM; DEGENERATION		1 (13%)	
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
INFILTRATE, CELLULAR; MIXED		1 (13%)	2 (25%)
NEPHROPATHY	2 (25%)	3 (38%)	1 (13%)

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Lab: Battelle with CRL

Male: 1 Day Recovery

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
Disposition Summary			
Animals Initially In Study	8	8	8
Early Deaths			
Survivors			
Scheduled sacrifice, terminal (SD 9)	8	8	8
Animals Examined Microscopically	8	8	8
ALIMENTARY SYSTEM			
LIVER	(8)	(8)	(8)
CLEAR CELL FOCUS		1 (13%)	
HEMATOPOIETIC CELL PROLIFERATION			1 (13%)
HEPATODIAPHRAGMATIC NODULE	1 (13%)		
PHARYNX	(8)	(8)	(8)
CARDIOVASCULAR SYSTEM			
AORTA	(8)	(8)	(8)
HEART	(8)	(8)	(8)
ENDOCRINE SYSTEM			
No Tissues/Organs Examined			
GENERAL BODY SYSTEM			
No Tissues/Organs Examined			
GENITAL SYSTEM			
No Tissues/Organs Examined			
HEMATOLYMPHOID SYSTEM			
No Tissues/Organs Examined			
INTEGUMENTARY SYSTEM			
No Tissues/Organs Examined			
MUSCULOSKELETAL SYSTEM			
No Tissues/Organs Examined			

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Lab: Battelle with CRL

Male: 1 Day Recovery

	Treatment Groups (ppm)		
	0	10	25 ppm Hexanes
NERVOUS SYSTEM			
BRAIN	(8)	(8)	(8)
NERVE, SCIATIC	(8)	(8)	(8)
NERVE, TIBIAL	(8)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(8)	(8)
RESPIRATORY SYSTEM			
LARYNX	(8)	(8)	(8)
LUNG	(8)	(8)	(8)
HEMORRHAGE; ACUTE		1 (13%)	
PERIVASCULAR; INFILTRATION, CELLULAR; MIXED			2 (25%)
NOSE	(8)	(8)	(8)
GOBLET CELL; HYPERPLASIA		1 (13%)	
INFLAMMATION; LYMPHOHISTIOCYTIC			1 (13%)
TRACHEA	(8)	(8)	(8)
SPECIAL SENSES SYSTEM			
No Tissues/Organs Examined			
URINARY SYSTEM			
KIDNEY, LEFT	(8)	(8)	(8)
NEPHROPATHY	7 (88%)	3 (38%)	3 (38%)

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Date Report Requested: 10/22/2020

Time Report Requested: 09:08:35

Lab: Battelle with CRL

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Scheduled sacrifice, terminal (SD 5)	8	8	8	8	8	8
Animals Examined Microscopically	8		8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
HEMATOPOIETIC CELL PROLIFERATION					1 (13%)	1 (13%)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MEDIASTINAL	(8)	(0)	(7)	(8)	(8)	(8)
LYMPHOID TISSUE; HYPERPLASIA			2 (29%)			1 (13%)
INFILTRATION, CELLULAR; HISTIOCYTE				1 (13%)	8 (100%)	2 (25%)
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

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Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

PA03: Non-Neoplastic Lesion Summary with Percent Incidence

Test Compound: Trimethylsilyldiazomethane

CAS Number: 18107-18-1

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Lab: Battelle with CRL

Male: 5 Day Exposure

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, TIBIAL	(8)	(0)	(0)	(1)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(7)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(0)	(0)	(8)	(8)
EPITHELIAL CELL; HYPERPLASIA; SQUAMOUS					2 (25%)	
EPIGLOTTIS; METAPLASIA; SQUAMOUS					2 (25%)	
LUNG	(8)	(0)	(8)	(8)	(8)	(8)
EDEMA					7 (88%)	
INTERSTITIUM; FIBROSIS					8 (100%)	
HEMORRHAGE; ACUTE					8 (100%)	
ALVEOLAR EPITHELIUM; HYPERPLASIA				6 (75%)	8 (100%)	
BRONCHIOLE EPITHELIUM; HYPERPLASIA				7 (88%)	8 (100%)	
INFILTRATION, CELLULAR; HISTIOCYTE				7 (88%)		
INFLAMMATION; CHRONIC-ACTIVE				7 (88%)	8 (100%)	
INFLAMMATION; CHRONIC-ACTIVE, FOCAL			2 (25%)			
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
EPITHELIUM; DEGENERATION						1 (13%)
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
NEPHROPATHY	3 (38%)					2 (25%)

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Lab: Battelle with CRL

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Scheduled sacrifice, terminal (SD 9)	8	8	8	8	8	8
Animals Examined Microscopically	8	8	8	8	8	8
ALIMENTARY SYSTEM						
LIVER	(8)	(0)	(0)	(0)	(8)	(8)
PHARYNX	(8)	(0)	(0)	(0)	(8)	(8)
CARDIOVASCULAR SYSTEM						
AORTA	(8)	(0)	(0)	(0)	(8)	(8)
HEART	(8)	(0)	(0)	(0)	(8)	(8)
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MEDIASTINAL	(8)	(0)	(8)	(8)	(8)	(8)
LYMPHOID TISSUE; HYPERPLASIA	1 (13%)		2 (25%)	2 (25%)	2 (25%)	1 (13%)
INFILTRATION, CELLULAR; HISTIOCYTE	1 (13%)			5 (63%)	8 (100%)	
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						

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Lab: Battelle with CRL

Male: 5 Day Recovery

	Treatment Groups (ppm)					
	0	0.3	1	3	10	25 ppm Hexanes
NERVOUS SYSTEM						
BRAIN	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, SCIATIC	(8)	(0)	(0)	(0)	(8)	(8)
NERVE, TIBIAL	(8)	(0)	(0)	(0)	(8)	(8)
TRIGEMINAL GANGLION	(8)	(0)	(0)	(0)	(7)	(8)
RESPIRATORY SYSTEM						
LARYNX	(8)	(0)	(0)	(0)	(8)	(8)
INFILTRATION, CELLULAR; MIXED						2 (25%)
LUNG	(8)	(8)	(8)	(8)	(8)	(8)
EDEMA					7 (88%)	
INTERSTITIUM; FIBROSIS					8 (100%)	
HEMORRHAGE; ACUTE		1 (13%)	1 (13%)	3 (38%)	8 (100%)	
ALVEOLAR EPITHELIUM; HYPERPLASIA			1 (13%)	2 (25%)	8 (100%)	
BRONCHIOLE EPITHELIUM; HYPERPLASIA					6 (75%)	
INFILTRATION, CELLULAR; HISTIOCYTE		1 (13%)	2 (25%)	8 (100%)		
INFLAMMATION; CHRONIC-ACTIVE			2 (25%)	8 (100%)	8 (100%)	
INFLAMMATION; CHRONIC-ACTIVE, FOCAL	1 (13%)	3 (38%)				1 (13%)
NOSE	(8)	(0)	(0)	(0)	(8)	(8)
INFILTRATION, CELLULAR; NEUTROPHIL					2 (25%)	
INFLAMMATION; CHRONIC						1 (13%)
TRACHEA	(8)	(0)	(0)	(0)	(8)	(8)
EPITHELIUM; DEGENERATION					1 (13%)	
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(8)	(0)	(0)	(0)	(8)	(8)
NEPHROPATHY	2 (25%)				6 (75%)	1 (13%)

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LEGEND

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day

The 1 Day Exposure animals were exposed for one day and then sacrificed on study day 1 (first day of exposure was study day 0); the 1 Day Recovery animals were exposed for 1 day and then sacrificed on study day 9; the 5 Day Exposure animals were exposed for five days and then sacrificed on study day 5; the 5 Day Recovery animals were exposed for five days and then sacrificed on study day 9.

**** END OF REPORT ****